

AMENDMENT UNDER 37 C.F.R. § 1.116
U.S. Appln. No. 09/664,486
Attorney Docket No.: Q90918

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method for authorising authorizing access to computer applications using a computer installation which includes a computer station connected to an inter-computer communication network, a peripheral read unit in communication with connected to the computer station for the supply of electric power and for the mutual transfer of data and/or commands, and at least one portable object, which is a watch or a bracelet or a necklace or a ring or a card or a badge, said portable object being provided with a personalised personalized electronic circuit which includes first signal transmission and reception means and a memory which includes at least one readable verification word, the read unit having second signal transmission and reception means for communicating with the portable object when the latter is located within a determined detection zone of the read unit, wherein the method includes the steps of:

a) placing the portable object within the determined detection zone of the read unit so that the peripheral read unit, which includes an antenna of said second signal transmission and reception means, and a printed circuit with all electronic components for controlling said antenna, detects its presence, and reads via the first and second signal transmission and reception means the readable verification word of the memory of the electronic circuit, and

b) gives giving the instruction from the peripheral read unit, which contains the address of the determined server in the storage module, as well as address initiation software, to the

AMENDMENT UNDER 37 C.F.R. § 1.116
U.S. Appln. No. 09/664,486
Attorney Docket No.: Q90918

computer station to connect itself automatically to the communication network for sending the readable verification word toward a checking file of a determined remote server in the communication network,

c) b) searching in the checking file of the determined remote server to see whether the readable verification word is included in a list of authorised-authorized words,

d) e) only if the readable verification word has been found in the list, sending from the checking file of the determined remote server a password towards the computer station and the read unit, and via the first and second transmission and reception means to a control logic module of the electronic circuit of the portable object, which shapes said password for opening a read and/or write barrier of storage means, which are contained into the memory of said personalised-personalized electronic circuit, in which access words to computer applications are kept secret by a-the read and/or write barrier, said password being addressed to storage means to open the read and/or write barrier, and

e) d) communicating via said first and second transmission and reception means the access words contained in the storage means of the electronic circuit memory of the portable object to the computer station in order to authorise-authorize said computer applications to be opened.

2. - 3. (canceled).

4. (previously presented): A method according to claim 1, wherein the addresses of the computer applications to be opened using access words are contained in the storage means.

AMENDMENT UNDER 37 C.F.R. § 1.116
U.S. Appln. No. 09/664,486
Attorney Docket No.: Q90918

5. (original): A method according to claim 1, wherein the addresses of the computer applications to be opened using access words are provided to the computer station by the server on the communication network.

6. (canceled).

7. (currently amended): A method according to claim-61, wherein the link between the computer station and the read unit is assured by an electric cable or an optical fibre, secured to the read unit and able to be connected to a corresponding input socket of the station for the electric power supply of the read unit and the transfer of data and/or commands between the unit and the station.

8. (previously presented): A method according to claim 1, wherein the communication signals between the read unit and the portable object are magnetic or electromagnetic or optical or acoustic signals.

9. (original): A method according to claim 8, wherein the electronic circuit with the first transmission and reception means is a transponder having a coil for receiving and transmitting radio-frequency signals for communicating with the read unit.

AMENDMENT UNDER 37 C.F.R. § 1.116
U.S. Appln. No. 09/664,486
Attorney Docket No.: Q90918

10. (original): A method according to claim 9, wherein the electric power supply of the transponder is provided using the radio-frequency signals received from the read unit.

11. (original): A method according to claim 9, wherein the radio-frequency signals are amplitude modulated for the transmission of data and/or commands.

12. (canceled).

13. (previously presented): A method according to claim 7, wherein the read unit is entirely integrated in a mouse pad or a keyboard of the computer station.

14. (previously presented): A method according to claim 7, wherein at least a portion of the read unit is integrated in a peripheral case to the work station, the electric cable or the optical fibre being secured to said case.

15. (original): A method according to claim 14, wherein an antenna of the second transmission and reception means of the read unit is integrated in a mouse pad or in a keyboard of the computer station connected to the peripheral case.

16. (previously presented): A method according to claim 1, wherein the memory of the electronic circuit includes several readable words which are sent to the checking file, and wherein in step b), two additional verification words are calculated using an algorithm in the

AMENDMENT UNDER 37 C.F.R. § 1.116
U.S. Appln. No. 09/664,486
Attorney Docket No.: Q90918

checking file, one of said words being searched in the checking file in order to know whether it is authorised, said additional verification words being stored on their return in the electronic circuit of the portable object in the readable portion of the memory.

17. (canceled).

18. (currently amended): A peripheral read unit intended to be in communication with a computer station, for implementing the method according to claim 1, ~~wherein it includes said read unit comprises:~~

signal transmission and reception means having an antenna in order to be able to communicate with a portable object provided with a ~~personalised~~personalized electronic circuit having other signal transmission and reception means when the latter is located within a determined detection zone of the read unit, and

a printed circuit comprising all electronic components for controlling said antenna and a storage module storing the address of the determined server and address initiation software, and

wherein the read unit is completely integrated in a case or in a computer keyboard or in a mouse pad.

19. - 20. (canceled).

21. (currently amended): A device for ~~authorising-authorizing~~ access to computer applications, for implementing the method according to claim 1, including a portable object,

AMENDMENT UNDER 37 C.F.R. § 1.116
U.S. Appln. No. 09/664,486
Attorney Docket No.: Q90918

which is a wristwatch provided with a personalised personalized electronic circuit, which is a personalized transponder having first signal transmission and reception means, and a peripheral read unit having second signal transmission and reception means for communicating with the portable object when the latter is located within a determined detection zone of the read unit, the read unit being in communication with a computer station, wherein the peripheral read unit comprises an antenna of said second signal transmission and reception means, and a printed circuit with all electronic components for controlling said antenna and with a storage module storing the address of the determined server and address initiation software, and wherein the peripheral read unit is connected by an electric cable or an optical fibre to a corresponding input socket of the computer station for the electric power supply and the transfer of data and/or commands between the read unit and the station.

22. (canceled).

23. (previously presented): A method for authorising access to computer applications using a computer installation which includes a computer station connected to an inter-computer communication network, a read unit in communication with the computer station, and at least one portable object, which is a watch or a bracelet or a necklace or a ring or a card or a badge, said portable object being provided with a personalised electronic circuit which includes first signal transmission and reception means and a memory which includes at least one readable verification word, the read unit having second signal transmission and reception means for

AMENDMENT UNDER 37 C.F.R. § 1.116
U.S. Appln. No. 09/664,486
Attorney Docket No.: Q90918

communicating with the portable object when the latter is located within a determined detection zone of the read unit, wherein the method includes the steps of:

- a) placing the portable object within the determined detection zone of the read unit which contains the address of a determined remote server in a storage module, as well as address initiation software so that the read unit detects its presence, reads via the first and second signal transmission and reception means the readable verification word of the memory of the electronic circuit, and gives the instruction to the computer station to connect itself automatically to the communication network for sending the readable verification word toward a checking file of a determined remote server in the communication network,
- b) searching in the checking file of the determined remote server to see whether the readable verification word is included in a list of authorised words,
- c) only if the readable verification word has been found in the list, sending from the checking file of the determined server a password towards the computer station and the read unit, and via the first and second transmission and reception means to storage means, in which access words to computer applications are kept secret by a read and/or write barrier, said password being addressed to storage means to open the read and/or write barrier, and
- d) communicating via said first and second transmission and reception means the access words contained in the storage means to the computer station in order to authorise said computer applications to be opened.

AMENDMENT UNDER 37 C.F.R. § 1.116
U.S. Appln. No. 09/664,486
Attorney Docket No.: Q90918

24. (previously presented): A method according to claim 23, wherein the storage means for the access words to the applications are included in the memory of the electronic circuit of the portable object or in the determined server.